

LIQUID-TIGHT JOINT ___ C.J. = CONSTRUCTION JOINT YES N

CONSTRUCTION JOINT OPTIONS

LIQUID-TIGHT JOINT OPTIONS

HYDROPHILIC WATERSTOP NON-METALIC WATERSTOP (PVC)

IF SLAB AND WALL ARE POURED SEPARATELY, THE SLAB SURFACE MUST BE THOROUGHLY CLEANED WITH WATER AND A WIRE BRUSH. THE SURFACE OF THE JOINT SHALL BE KEPT MOIST FOR AT LEAST 1 HOUR PRIOR TO PLACEMENT OF NEW CONCRETE.

THE SLAB AND WALL MAY BE

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WATERSTOP

WALL CORNER DETAIL (PLAN VIEW)

MIN. LAP SPLICE

POURED AT THE SAME TIME ELIMINATING THE NEED FOR A CONSTRUCTION JOINT.

SPLICE

SLAB CORNER DETAILS RESTRAINING SLAB OPTIONS SEE

PA-023 PA-024

GENERAL DESIGN NOTES:

DRAINAGE SHALL BE AWAY FROM THE WALL.
THE MINIMUM WIDTH OF THE BACKFILL AGAINST THE WALL
THE BACKFILL HEIGHT. SHALL BE EQUAL TO OR GREATER THAN

·MAXIMUM FOOTING CONTACT PRESSURE IS 370 psf/ft.

psi.

(GRADE 40)

WALL DESIGN LOADING: 313 STANDARD — LATERAL EARTH PRESSURE VALUES, SEE SECTION IV OF THE FIELD OFFICE TECHNICAL GUIDE.

*MANURE LOAD INSIDE = 65 psf/ft.

*SOIL BACKFILL LOAD OUTSIDE = 60 OR 75 psf/ft.

*SURCHARGE LOAD = 120 psf

*SOIL BACKFILL DENSITY = 110 pcf.

*WATER TABLE MUST BE BELOW THE FOOTING ELEVATION

L RESTRAINT REQUIREMENTS:
THICK SLAB, SAFETY FACTOR AGAINST SLIDING 1.5 MIN.

• CONCRETE SHALL MEET PA 313 OR 561 SPECIFICATION REQUIREMENTS. • SUBSTITUTION OF GRADE 60 BARS IS PERMITTED. • MINIMUM SPLICE LENGTH FOR MARK ® AND ® BARS IS 12" • STEEL QUANTITY DOES NOT INCLUDE SPLICE LENGTHS.

TOTAL LENGTH OF WALL

NO SLAB	NO SLAB NO SLAB	0 FEET
	5 FFFT 6 FFFT	1 FOOT
	17 FEET 19 FEET	2 FEET
	<u>EFP=60</u> <u>EFP=75</u>	
FULL INSIDE LOAD	NO INSIDE LOAD	(OUTSIDE LOAD)
SLAB LENGTH	SLAB LENGTH	

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPED IN COOPERATION WITH THE WISCONSIN DEPARTMENT OF AGRICULTURAL, TRADE AND CONSUMER PROTECTION. THE DESIGN FOLDER IS FILED AT THE NRCS STATE OFFICE, 8030 EXCELSIOR DRIVE, MADISON, WI. 53717-2906

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DIMENSIONS ARE TO THE REINFORCING BAR SURFACE UNLESS OTHERWISE NOTED.

BACKFILL TO THE TOP OF THE WALL IS RECOMMENDED FOR FROST PROTECTION.

NOTES:

MARK

SIZE

QUAN

TYPE

70

S

LENGTH 6'-0"

TOTAL LENGTH

STEEL #4 CONCRETE

(0.668 LBS./FT)

(0.142 CU.YDS./LIN.FT.)

CU. YDS.

ESTIMATED QUANTITIES

SCHEDULE

w

SI

#4 BARS,

TOTAL LENGTH

TYPE 2 BAR

(ADAPTED FROM WI-520, APRIL 2005)

PA-0184

11/07/07 15:10

PA-018A.dwg



2' HIGH, 6" L-WALL (W/SURCHARGE)

COUNTY, PENNSYLVANIA

TJA

Date

<u>06/23/0</u>5